Name: $\qquad$ Period: $\qquad$ Date: $\qquad$
Ms. Randall LE
Lab activity Properties of Acids and Bases
Use your notes to complete the following Venn diagram.


Purpose: To determine if three unknown solutions are acidic, basic, or neutral using a variety of tests.

Procedure:

1. Using a 24 -well plate, place 3 drops of solution \#1 into the 3 wells in one column, Solution \#2 into 3 wells in the second column, and Solution \#3 into 3 wells in the third column.

2. Using the Data Table:
a. Dip litmus paper and pH paper into each solution and record color. Use one test paper per solution.
b. Record the color. (*Note: If the color does not change, DO NOT write no change, record the color. For example if the solution is originally blue and remains blue, write blue).

Data:

| Test | Solution \#1 | Solution \#2 | Solution \#3 |
| :---: | :---: | :---: | :---: |
| Blue Litmus Paper |  |  |  |
| Red Litmus Paper |  |  |  |
| pH paper |  |  |  |

## Data Analysis:

Determine which substance is an acid, a base, or neutral based on the test results.

Solution \#1: $\qquad$ Solution \#2: $\qquad$ Solution \#3: $\qquad$

